

**To:** Adams, Chris[Chris.Adams@owrb.ok.gov]  
**From:** Shaikh, Taimur  
**Sent:** Tue 11/14/2017 6:20:03 PM  
**Subject:** RE: Lake Tenkiller EFDC Modeling Update

Hi Chris,

The site specific anoxic volume is calculated based on the whole water column model cell where the station is located.

Thanks,

Taim.

Taimur A. Shaikh, Ph.D.

Acting Section Chief | NPDES Management Section (6WQ-PO)  
Home Section | Assessment, Listing, and TMDL Section (6WQ-PT)  
Water Division | EPA Region 6

-----Original Message-----

From: Adams, Chris [mailto:Chris.Adams@owrb.ok.gov]  
Sent: Tuesday, November 14, 2017 9:58 AM  
To: Shaikh, Taimur <Shaikh.Taimur@epa.gov>  
Subject: RE: Lake Tenkiller EFDC Modeling Update

Thanks for sending these. I forget how the site specific anoxic volume is calculated so could you please clarify if it is over that entire segment (using the zones from the original model set up) or if it is vertically in that stack of cells?

Thanks,

Chris

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From: Shaikh, Taimur [Shaikh.Taimur@epa.gov]  
Sent: Tuesday, November 14, 2017 9:15 AM  
To: Adams, Chris; Akakpo, David; Cauthron, Bill; blanz@adeq.state.ar.us; Brian Haggard; Miller, Caitlin; Greg Kloxin; Joe Long; Chambers, Julie; Soojung Lim; Pat Gwin; Veiga, Rebecca; John Benefield; tom-elkins@cherokee.org; Tate Wentz; Wooster, Richard; Jeremy Seiger  
Cc: Wooster, Richard; Dwyer, Stacey  
Subject: [Caution: Message contains Redirect URL content] RE: Lake Tenkiller EFDC Modeling Update

Dear folks,

A request was made for anoxic volumes for the lake. The outputs are attached for LK01, LK02, and Lake Tenkiller total.

Also, please share your availability using the doodle poll link for a one hour call to discuss the Lake Tenkiller information.

<https://doodle.com/poll/vwsik3gsk34euqts>

Thanks so much.

Taim.

Taimur A. Shaikh, Ph.D.

Acting Section Chief | NPDES Management Section (6WQ-PO) Home Section | Assessment, Listing, and TMDL Section (6WQ-PT) Water Division | EPA Region 6

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[cid:image002.jpg@01D35D25.C18BE3E0] <<https://twitter.com/eparegion6>>

From: Shaikh, Taimur

Sent: Friday, November 03, 2017 11:41 AM

To: Chris Adams <[Chris.Adams@owrb.ok.gov](mailto:Chris.Adams@owrb.ok.gov)>; Akakpo, David <[david.akakpo@deq.ok.gov](mailto:david.akakpo@deq.ok.gov)>; Bill Cauthron <[Bill.Cauthron@owrb.ok.gov](mailto:Bill.Cauthron@owrb.ok.gov)>; blanz@adeq.state.ar.us; Brian Haggard <[haggard@uark.edu](mailto:haggard@uark.edu)>; Caitlin.Miller@owrb.ok.gov; Greg Kloxin <[Greg.Kloxin@Conservation.ok.gov](mailto:Greg.Kloxin@Conservation.ok.gov)>; Joe Long <[Joe.Long@deq.ok.gov](mailto:Joe.Long@deq.ok.gov)>; Julie CHambers <[Julie.Chambers@owrb.ok.gov](mailto:Julie.Chambers@owrb.ok.gov)>; Soojung Lim <[soojung.lim@deq.ok.gov](mailto:soojung.lim@deq.ok.gov)>; Pat Gwin <[pgwin@cherokee.org](mailto:pgwin@cherokee.org)>; Rebecca Veiga Nascimento <[Rebecca.Veiga@owrb.ok.gov](mailto:Rebecca.Veiga@owrb.ok.gov)>; John Benefield <[Ryan.Benefield@arkansas.gov](mailto:Ryan.Benefield@arkansas.gov)>; tom-elkins@cherokee.org; Wentz, Tate <[WENTZ@adeq.state.ar.us](mailto:WENTZ@adeq.state.ar.us)>; Wooster, Richard <[Wooster.Richard@epa.gov](mailto:Wooster.Richard@epa.gov)>; Jeremy Seiger <[Jeremy.Seiger@ag.ok.gov](mailto:Jeremy.Seiger@ag.ok.gov)>

Cc: Wooster, Richard <[Wooster.Richard@epa.gov](mailto:Wooster.Richard@epa.gov)>; Dwyer, Stacey <[Dwyer.Stacey@epa.gov](mailto:Dwyer.Stacey@epa.gov)>

Subject: Lake Tenkiller EFDC Modeling Update

Dear Technical Workgroup Members,

It's been a considerable amount of time since our last group communication. We have been actively pursuing improvements regarding the Lake Tenkiller EFDC model. After significant revisions to the lake model, the attached document represents what we can achieve with the EFDC model and calibration data for the 2005 -2006 period. Specifically, we are sharing the profiles for temperature and dissolved oxygen at lake monitoring stations. We would appreciate your review of the attached modeled profiles and the overall statistics. Once we have had a chance to familiarize ourselves with the output, we would like to have a conference call to discuss the current model and decide on a path forward regarding Lake Tenkiller. Any decisions reached at that time will most likely impact options regarding the path forward for the watershed model as well. We hope to have a conference call in the next two to three weeks.

Thank you all for your time and patience and please stay tuned.

Sincerely,

Taim.

Taimur A. Shaikh, Ph.D.

Acting Section Chief | NPDES Management Section (6WQ-PO) Home Section | Assessment, Listing, and TMDL Section (6WQ-PT) U. S. EPA Region 6, Water Division | 1445 Ross Ave. Dallas, TX 75202-2733

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